

# GeometryQuiz05: Quadrilaterals

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## Question 1

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Find the area of a rectangle with a length of 12 cm and a width of 8 cm.

## Question 2

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In a parallelogram, the base is 15 cm and the height is 10 cm. Find the area.

## Question 3

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Calculate the perimeter of a square with a side length of 9 cm.

## Question 4

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Find the length of the diagonal of a square with a side of 7 cm.

## Question 5

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In a trapezoid, the bases are 8 cm and 14 cm, and the height is 5 cm. Find the area.

## Question 6

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A rhombus has diagonals of 10 cm and 24 cm. Calculate its area.

## Question 7

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Find the measure of each interior angle in a rectangle.

### Question 8

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If the opposite angles of a quadrilateral are equal, prove it is a parallelogram.

### Question 9

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In a kite, the lengths of the diagonals are 12 cm and 16 cm. Find the area.

### Question 10

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A parallelogram has sides of 10 cm and 15 cm. If the angle between them is  $60^\circ$ , find the area.